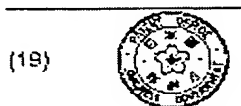




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(54) PIGMENT INK COMPOSITION FOR AQUEOUS BALL POINT PEN

(57) Abstract

PURPOSE: To obtain a pigment ink composition for aqueous ball point pen, containing a vinylpyrrolidone-acrylic acid copolymer, etc., reduced in abrasion of the ball holder, remarkably reduced in blur of a written letter or a printed part and excellent in discharge properties, smoothness and feeling in writing.

CONSTITUTION: This pigment ink composition for aqueous ball point pen contains (A) preferably 0.01 to 20wt.% vinylpyrrolidone-acrylic acid copolymer represented by the formula (the ratio of X:Y is 25/75 to 75/25 and the weight-average molecular weight is 50000 to 300000). (B) preferably 2 to 3wt.% pigment such as ti-

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tanium oxide, (C) preferably 0.1 to 10wt.% dispersant such as a water-soluble polymer, e.g. a polyacrylic acid salt, (D) preferably 0.01 to 5wt.% lubricant such as potassium linolate and (E) preferably 40 to 90wt.% water.

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